XP-002217396

AN - 2000-139798 [13]
AP - JP19980152862 19980602
CPY - MITA
DC - A17 A32 F04
DR - 0326-U 1841-U
FS - CPI
IC - D01D5/34 ; D01F8/06 ; D04H1/48 ; D04H1/54
MC - A04-G01E A12-S05B A12-S05G F01-E01 F02-C01
PA - (MITA) MITSUI CHEM INC
PN - JP11350255 A 19991221 DW200013 D01F8/06 009pp
PR - JP19980152862 19980602
XA - C2000-043467
XIC - D01D-005/34 ; D01F-008/06 ; D04H-001/48 ; D04H-001/54
AB - JP11350255 NOVELTY - Composite fibers having core-sheath type and side-by-side type structures are formed. The core-sheath type fiber has core of a high melting resin and sheath of mixture of high and low melting polyethylene (PE) resins. The high melting PE has melting point (m.pt) of 120-135 deg. C and the low melting PE has m.pt of 90-125 deg. C. The high melting resin has m.pt at least 5 deg. C greater than the low melting resin.

- DETAILED DESCRIPTION - Composite fibers having core-sheath type and side-by-side type structures are formed. The core-sheath type fiber has a core part of a high melting resin (B). The sheath part is made of mixture of high melting and low melting polyethylene group resins (A). The high melting polyethylene has melting point within 120-135 deg. C and low melting polyethylene has melting point of 90-125 deg. C. The high melting resin has melting point at least 5 deg. C greater than the low melting resin in (A). The core part high melting point resin (B) has melting point at least 10 deg. C, greater than the high melting PE in (A). An INDEPENDENT CLAIM is also included for the composite fiber non-woven fabric.

- USE - For heat embossable non-woven fabric (claimed), with improved processability.

- ADVANTAGE - The composite fiber prevents coiling to hot calender roll and fusion during tangle process for heat embossing. Thereby, it excels in heat embossing property. The composite non-woven fabric also has improved heat embossing characteristics in case laminate integration is carried out. During heat sealing, coiling around seal bar and poor sealing are prevented.

- (Dwg.0/6)

IW - COMPOSITE HEAT EMBOSS NON WOVEN FABRIC IMPROVE PROCESS CONSIST CORE SHEATH TYPE SIDE SIDE TYPE COMPOSITE CONTAIN POLYETHYLENE POLYPROPYLENE GROUP RESIN

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NC - 001
OPD - 1998-06-02
ORD - 1999-12-21
PAW - (MITA) MITSUI CHEM INC
TI - Composite fibers for heat embossable non-woven fabric with improved

processability - consists of core-sheath type and side-by-side type composite fibers containing polyethylene and polypropylene group resins

A01 - [001] 018 ; G0033-R G0022 D01 D02 D51 D53 D58 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ; H0000 ; H0011-R ; S9999 S1070-R ; S9999 S1105-R S1070 ; S9999 S1183 S1161 S1070 ; S9999 S1116-R S1105 S1070 ; P1150 ; P1161 ; P1343

- [002] 018 ; ND04 ; ND09 ; B9999 B5607 B5572 ; B9999 B3623 B3554 ; B9999 B5458 B5403 B5276 ; N9999 N7169 N7023